



## VACUUM OVEN BER-1002

# VACUUM OVEN BER-1002

AUTOMATIC PRECISION VACUUM DRYING OVEN (PLUGGABLE SHELF HEATING)



1. SUS304 embossed stainless steel housing, SUS304 mirrored stainless steel studio, 5083 corrosion resistant aluminum plate.
2. Independent pluggable shelf heating.
3. Fixed value or program operation mode, true color 7.0-inch touch screen multi-section PID temperature controller, high temperature control accuracy, real-time temperature curve record, convenient for users to see the heating process. The program mode can realize temperature control and vacuum degree multi-stage programming operation to improve the experimental efficiency.
4. Automatic vacuum degree control system, set the vacuum degree, automatically reach the set vacuum degree. Standard with inflatable port, manual and electric double set of exhaust devices.
5. Users can configure the vacuum pump, standard with the vacuum pump oil return

## SPECIFICATIONS

Model	BER-1002
Heating Mode	Sheft direct heating
Function	
--Temp. Range	RT+10-250°C
-- Useful vacuum Degree range	<133Pa
--Temp. Resolution Ratio	0.1°C
--Temp. Motion	±1°C
--Heating -Up Time	≤40 minutes
Structure	
--Inner Chamber	SUS304 mirror stainless steel
--Quter Shell	SUS304 embossed stainless steel, 5083 Corrosion resistant aluminium plate
--Insulation Layer	Aluminium silicate fibre
--Heater	Mica electrothermal film
--Observation Window	Bulletproof tempered glass
--Vacuum Sensor	Standard pressure sensor, absolute pressore accuracy class 0.25, vacuum touch screen display
Exhaust device	Manualand electric double exhaust device
Air intake port	Standard inflation port
"BLT Vacuum Pump System(BL:without Vacuum Pump)"	Double stage rotary vane vacuum pump 4L/SVacuum pump air inlet drying filterVacuum pump exhaust oil mist filter
-- Nozzle Diameter	10mm
--Power rating	1.6kW
Controller	
--Temp. Control Mode	7.0~inch LCD color touch screen multi-stage PID program temperature control
--Temp. Setting Mode	Touch Screen Type
--Temp. Display Mode	7.0-inch LCD color touch screen
--Timer	0-39999 minutes/0-9999 hours can adjust
--Operation Function	Fixed value operation, regular, automatic stop
--Fixed Value Mode	Control temperature and vacuum at the same time
--Program mode	Control temperature and control vacuum at the same time, 30 programmable operation

--Additional Function	Vacuum pump oil return preventer. Real-time temperature curve recording with U disk data storage and export function. Sensor deviation correction, temperature overshoot self-setting, internal parameter locking, power off parameter memo
--Sensor	PT100
Safety Device	Over temperature acoustooptic alarm, sensor fault alarm, vacuum over value alarm
Specification	
--Inner Chamber size(W*L*H)(mm)	450*450*450
--Exterior Size (W*L*H)(mm)	670*645*906
--Packing Size (W*L*H)(mm)	840*785*1562
--Volume	91L
--Max. Shelf Number	2
--Load Per rack	15kg
--Shelf Space	185mm
--Power Rating (50/60HZ)	AC220V/9.1A
--NW/GW (kg)	82/105
Accessory	
--Shelf	2
--Shelf Frame	4
Optional accessories	Shelf(Independent temperature control),RS485 transfer to USB communication interface,PrinteWrl,FJ control module
Alt Name	Automatic Precision Vacuum Drying Oven



## FEATURES

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2. Independent pluggable shelf heating.
3. Fixed value or program operation mode, true color 7.0-inch touch screen multi-section PID temperature controller, high temperature control accuracy, real-time temperature curve record, convenient for users to see the heating process. The program mode can realize temperature control and vacuum degree multi-stage programming operation to improve the experimental efficiency.
4. Automatic vacuum degree control system, set the vacuum degree, automatically reach the set vacuum degree. Standard with inflatable port, manual and electric double set of exhaust devices.
5. Users can configure the vacuum pump, standard with the vacuum pump oil return device, convenient for customers to use, and avoid the vacuum pump oil return.
6. BLT type standard with vacuum pump, air pipeline equipped with air filter device, improve the service life of vacuum pumps.

## APPLICATIONS

It is designed for drying heat-sensitive, easily decomposed and easily oxidized substances. It is widely used in medicine, food, light industry, chemical industry, agricultural scientific research, environmental protection and other experimental fields.



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